10/564984 IAP15 Rec'd PCT/PTO 18 JAN 2006

PATENT ATTORNEY DOCKET NO. 0092/019001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Nobuhiko OOHARA et al.

Art Unit:

Application No.: filed concurrently

Examiner:

Title: NOVEL OPTICALLY ACTIVE PHOSPHORUS-CHIRAL DIPHOSPHETANES, INTERMEDIATES OF THE SAME, AND TRANSITION METAL COMPLEXES

CONTAINING THE DIPHOSPHETANES AS THE LIGAND

International Application No.: PCT/JP2004/010670

International Filing Date : July 27, 2004
Priority Date : July 28, 2003

U.S. Filing Date : January 18, 2006

Mail Stop PCT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to their duty of good faith and candor as set forth in 37 CFR 1.56(a), applicants request that the references cited on attached form PTO-1449 (a copy of which is enclosed) be considered by the Examiner in connection with the search of the prior art required by 37 CFR 1.104.

Enclosed also please find a copy of the International Search Report citing two of these references. The relevance of these two references can be seen from the International Search Report.

Please also note that the two other enclosed publications are discussed on page 3 of the specification.

This Statement is being filed under 37 CFR 1.97(b) prior to the mailing date of a first Office Action on the merits.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

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Information Disclosure Statement Applicants: Nobuhiko OOHARA et al.

Title: NOVEL OPTICALLY ACTIVE PHOSPHORUS-CHIRAL DIPHOSPHETANES,

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Applicants' undersigned attorney may be reached at the telephone number listed below. All correspondence should continue to be directed to our address below.

Respectfully submitted,

Date: January 18, 2006

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Oohara011806

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STATEMENT BY APPLICANT	Filing Date	January 18, 2006	
	Applicants	Nobuhiko OOHARA et al.	
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	Examiner Name		
Sheet 1 of 2	Attorney Docket Number	0092/019001	

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^{*}Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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EVALUEE	1 0.4	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	1 +2
EXAMINER INITIAL*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	1 12
		BURK, J. et al., "Preparation and Use of C₂-Symmetric Bis(phospholanes): Production of α-	
		Amino Acid Derivatives via Highly Enantioselective Hydrogenation Reactions", J. Am. Chem.	
		Soc., 1993, pp. 10125-10138, Vol. 115, No. 22, American Chemical Society.	
		IMAMOTO, T. et al., "P-Chiral Bis(trialkylphosphine) Ligands and Their Use in Highly	
		Enantioselective Hydrogenation Reactions", J. Am. Chem. Soc., 1998, pp. 1635-1636, Vol.	
		120, No. 7, American Chemical Society.	
		IMAMOTO T. et al., "Optically Active 1,1'-Di-tert-butyl-2,2'-diphosphetanyl and Its Application	
		in Rhodium-Catalyzed Asymmetric Hydrogenations", Synthesis 2004, 2004, pp. 1353-1358,	
		No. 9, Georg Thieme Verlag Stuttgart, New York.	
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